

ABSTRACT OF THE DISCLOSURE

In an automatic metal solution dilutor according to the present invention, a densitometer (absorptiometer) measures absorbance of a diluted solution in a metering hopper. An electronic balance meters the diluted solution in the metering hopper so that a dilution magnification obtained from the absorbance reaches a prescribed value. A control part monitors the value measured by the densitometer and the value metered by the electronic balance for operating and controlling the quantity of a stock solution/diluent liquid fed to the metering hopper so that the dilution magnification reaches the prescribed value on the basis of the absorbance measured by the densitometer. Thus obtained is an automatic metal solution dilutor capable of diluting a concentrated liquid of the order of percentage to a metal solution of the order of ppm having a required quantity and a required concentration and correctly feeding the same to a feeder while performing in-line concentration control.